



PELLET STOVE  
**EDERA**  
MULTIAIR MODEL

Translation of original instructions



8901219300

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# INTRODUCTION

Dear Customer,  
Thank you for having chosen our product.  
**To allow for optimal operation and for you to enjoy the warmth and sense of wellbeing that the fire can convey in your home, we advise you to read this manual carefully before starting up the product for the first time.**





## REVISIONS TO THE PUBLICATION

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The company reserves the right to make changes to the product at any time without prior notice. The proprietary company reserves its rights according to the law.

## CARE OF THE MANUAL AND HOW TO CONSULT IT

- Take care of this manual and keep it in an easily accessible place.
- Should the manual be misplaced or ruined, request a copy from your retailer or directly from the authorised Technical Assistance Department.
- “**Bold text**” requires particular attention.
- Text in “*italics*” is used to draw your attention to other paragraphs in this manual or any additional explanation.
- “Note” provides the reader with additional information.

## SIMBOLOGIA PRESENTE SUL MANUALE

	<b>ATTENTION:</b> carefully read and understand the relative message because <b>failure to comply with that which is written can cause serious damage to the product and put the user's safety at risk.</b>
	<b>INFORMATION:</b> failure to comply with these provisions will compromise the use of the product.
	<b>OPERATING SEQUENCES:</b> sequence of buttons to be pressed to access the menus or make adjustments.
	<b>MANUAL</b> carefully read this manual or the relative instructions.

## 1-WARNINGS AND WARRANTY CONDITIONS



### SAFETY PRECAUTION

- **Installation, electrical connection, functional verification and maintenance must only be performed by qualified or authorised personnel.**
- **Install the product in accordance with all the local and national laws and Standards applicable in the relative place, region or country.**
- **This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or trained on how to use the product by a person responsible for their safety.**
- Only fuel recommended by the company must be used. The product must not be used as an incinerator. It is strictly forbidden to use liquid fuel.
- The instructions provided in this manual must always be complied with to ensure the product and any electronic appliances connected to it are used correctly and accidents are prevented.
- The user, or whoever is operating the product, must read and fully understand the contents of this installation guide before performing any operation. Errors or incorrect settings can cause hazardous conditions and/or poor operation.
- Do not use the product as a ladder or supporting structure.
- Do not place laundry on the product to dry. Any clothes horses or similar objects must be kept at a safe distance from the product.
- **Fire hazard.**
  - *All liability for improper use of the product is entirely borne by the user and relieves the Manufacturer from any civil and criminal liability.*
  - Any type of tampering or unauthorised replacement with non-original spare parts could be hazardous for the operator's safety and relieves the company from any civil and criminal liability.
  - Most of the surfaces of the product can get very hot (door, handle, glass, smoke outlet pipes, etc.). **Avoid contact with these parts unless adequate protective clothing is worn or appropriate means are used, such as heat protective gloves or cold handles.**
- **It is forbidden to operate the product with the door open or the glass broken.**
- The product must be powered by a system that is equipped with an effective earth system.
- Switch the product off in the event of a fault or malfunctioning.
- Accumulated unburned pellets in the burner after each "failed start-up" must be removed before starting up again.
- Do not wash the product with water. Water could penetrate the unit and damage the electrical insulation, thereby causing electric shocks.
- Do not stand in front of the product for a long time. Do not overheat the room where the product is installed. This could affect your physical conditions and cause health problems.
- Do not put any fuel other than wood pellets in the hopper.
- Install the product in rooms that are adequately protected against fire and equipped with all the utilities such as supplies (air and electricity) and smoke outlets.
- If a fire breaks out inside the chimney, switch the appliance off, disconnect it from the mains and do not open the door. Then contact the competent authorities.
- The product and the ceramic/serpentine cladding must be stored in a place where there is no humidity and must not be exposed to the elements.
- It is recommended not to remove the feet that support the product in order to guarantee adequate insulation, especially if the flooring is made of flammable material.
- If the ignition system is faulty, do not force ignition with flammable materials.
- Special maintenance must only be performed by authorised and qualified personnel.
- Assess the static conditions of the surface on which the weight of the product will rest and provide suitable insulation if it is made of flammable material (e.g. wood, fitted carpet or plastic).



# 1-WARNINGS AND WARRANTY CONDITIONS

## INFORMATION:

Please contact the retailer or qualified personnel authorised by the company to resolve a problem.

- Only fuel stipulated by the company must be used.
- Check and clean the smoke outlet pipes regularly (connection with the product).
- The product is not a cooking appliance.
- Always keep the cover of the fuel hopper closed.
- Keep this instruction manual in a safe place as it must accompany the product throughout its working life. If it is sold or transferred to another user, always make sure that the manual accompanies the product.

## INTENDED USE

The product only works with wood pellets and must be installed indoors.

## WARRANTY CONDITIONS

The company provides a product warranty, **excluding the parts subject to normal wear** stipulated below, for a period of **two years** from the date of purchase, which is proven by a supporting document that contains the name of the seller and the date when the sale took place. Warranty cover is valid if the completed warranty is returned within 8 days and the product is installed and tested by a qualified installer, according to the detailed instructions provided in the use and instruction manual supplied with the product.

The term 'warranty' refers to the (free-of-charge) replacement or repairs of **parts acknowledged to be faulty due to manufacturing defects**.

## RESTRICTIONS

**The above-mentioned warranty does not cover parts of electrical and electronic components and fans, which are covered for two years** from when the product is purchased, proof of which is provided as specified above. The warranty does not cover parts subject to normal wear, such as: gaskets, glass and all parts that can be removed from the firebox.

Replaced parts will be covered by the warranty for the remaining period of the warranty in force as from the date of purchase of the product.

## EXCLUSIONS

Variations in colour of the painted or ceramic/serpentine parts and crazed ceramics do not constitute grounds for a claim as they are natural characteristics of the material and product use.

The warranty does not cover any part that may be faulty as a result of negligence or careless use, incorrect maintenance or installation that does not comply with the company's instructions (see the relative chapters in this user manual).

***The company declines all liability for any damage which may be caused, directly or indirectly, to persons, animals or objects as a consequence of non compliance with all the prescriptions specified in the manual, especially warnings regarding installation, use and maintenance of the appliance.***

If the product does not work correctly, contact your local retailer and/or importer.

Damage caused during transport and/or when handled is excluded from the warranty.

The supplied installation guide is the only reference for installation and product use.

The warranty will be rendered null and void in the event of damage caused by tampering, atmospheric agents, natural disasters, electrical discharges, fire, defects in the electrical system, and maintenance not being performed at all or as indicated by the manufacturer.

## 1-WARNINGS AND WARRANTY CONDITIONS

### INTERVENTION REQUEST



*The company declines all liability if the product and any other accessory is used incorrectly or altered without authorisation.*

*All parts must be replaced with original spare parts.*



*The request must be sent to the retailer who will forward it to the Technical Assistance Department.*

### SPARE PARTS

Only original spare parts must be used. The retailer or service centre can provide all the useful information regarding spare parts. It is recommended not to wait for the parts to be worn before having them replaced. It is important to perform regular maintenance.

### PRECAUTIONS FOR CORRECT DISPOSAL OF THE PRODUCT IN ACCORDANCE WITH THE EUROPEAN DIRECTIVE 2002/96/EC AND ITS SUBSEQUENT AMENDMENT 2003/108 EC.



At the end of its working life, the product must not be disposed of as urban waste.

It must be taken to a special differentiated waste collection centre set up by the local authorities or to a retailer that provides this service. Disposing of the product separately prevents possible negative consequences for the environment and health deriving from inappropriate disposal and allows its materials to be recovered in order to obtain significant savings in energy and resources.

As a reminder of the need to dispose of appliances separately, the product is marked with a crossed-out wheeled dustbin.

## 2-INSTALLATION INSTRUCTIONS

The requirements in this chapter refer to the regulations of the Italian installation Standard UNI 10683. In any case, always comply with the regulations in force in the country of installation.

### PELLETS

Wood pellets are obtained from compressing sawdust produced during the processing of natural dried wood (without paint). The compactness of the material is guaranteed by the lignin contained in the wood itself and allows pellets to be produced without glue or binders.

The market offers different types of pellets with characteristics that vary according to the wood mixtures used. The diameter varies between 6 and 8 mm, with a standard length ranging from 5 to 30 mm. Good quality pellets have a density that varies between 600 and over 750 kg/m<sup>3</sup>, with a moisture content that ranges from 5% to 8% of its weight.

Pellets have technical advantages besides being an ecological fuel, as the wood residue is used completely, thereby achieving cleaner combustion than that of fossil fuels.

Good-quality wood has a calorific value of 4.4 kW/kg (15% moisture, after about 18 months of seasoning), whereas that of pellets is 4.9 kW/kg. To ensure good combustion, the pellets must be stored in a dry place and protected from dirt. Pellets are usually supplied in 15 kg bags, therefore, storing them is very convenient.

Good quality pellets guarantee good combustion, thereby decreasing harmful emissions into the atmosphere.



15 Kg BAGS OF FUEL



***The poorer the quality of the fuel, the more often the internal parts of the brazier and combustion chamber must be cleaned.***

**DINplus, Ö-Norm M7135 and Pellet gold** are examples of the major quality certifications of pellets in the European market and guarantee that the following are complied with:

- calorific value: 4.9 kWh/kg.
- Moisture content: max 10% of the weight.
- Percentage of ash: max 0.5% of the weight.
- Diameter: 5 – 6 mm.
- Length: max 30 mm.
- Content: 100% untreated wood with no added binding agents (max percentage of bark: 5%).
- Packaging: in bags made from environmentally friendly or biologically decomposable material.



***The company strongly recommends using certified fuel for its products (DINplus, Ö-Norm M7135 or Pellet Gold). Poor quality pellets or others that do not comply with that specified previously compromises the operation of your product and can therefore render the warranty and product liability null and void.***

## 2-INSTALLATION INSTRUCTIONS

### PRECAUTIONS REGARDING INSTALLATION



**IMPORTANT!**

***Product installation and assembly must be carried out by qualified personnel.***

The product must be installed in a suitable place for it to be regularly opened and routine maintenance to be performed.

The environment must be:

- Compliant for proper operation.
- Equipped with an adequate smoke expulsion system.
- Equipped with ventilation intake from outside.
- Equipped with 230V 50 Hz power supply with an EC compliant earth system.

**The product must be connected to a chimney or an internal or external vertical duct that complies with current regulations.**

**The product must be positioned in such a way that the electrical socket is accessible.**



**IMPORTANT!**

***The product must be connected to a chimney or a vertical duct that can expel the smoke at the highest point of the building.***

***The smoke derives from the combustion of wood essence and if it comes in contact with or close to walls, the latter can become dirty. Moreover, utmost attention is required as they are almost invisible but very hot and can cause burns. The holes of the external air inlet and the smoke outlet pipe must be drilled before positioning the product.***

### THE OPERATING ENVIRONMENT

For correct operation and even distribution of heat, the product must be placed where the air required for combustion can flow.

**The volume of the environment must not be less than 15 m<sup>3</sup>.**

The air must enter through permanent openings in the walls (near the product) that reach outside with a minimum section of 80 cm<sup>2</sup> without the protective grille .

These openings (air inlets) must be made in such a way that it is impossible for them to be obstructed in any way.

Air can also be drawn from adjacent rooms to the one that is to be ventilated, provided they have an external air inlet and are not used as a bedroom or bathroom or where there is a fire hazard, such as: a garage, wood shed or where flammable materials are stored, and applicable regulations must be strictly complied with.



***If the product is placed too close to the wall it could cause overheating and damage the plaster (yellowing, cracking, etc.).***

## 2-INSTALLATION INSTRUCTIONS

### POSITIONING AND RESTRICTIONS

In the case of simultaneous installation with other heating appliances, provide appropriate air inlets for each one (according to the instructions of each product).



**The product cannot be installed (except for sealed or closed operation appliances with external ducted combustion air intake):**

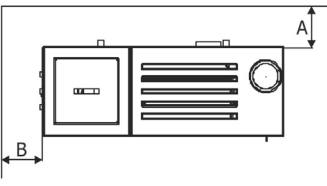
- *in bedrooms or bathrooms;*
- *in rooms where there are liquid fuel appliances with continuous or intermittent operation that draw the combustion air from the room they are installed in;*
- *in rooms where there are B-type gas heating appliances, with or without domestic hot water production and interconnecting rooms;*
- *where another heating appliance is installed without an independent air flow.*

**It is forbidden to place the product in an explosive atmosphere.**

### MINIMUM DISTANCES



**Room ventilation can only be set towards the rear wall if there is adequate insulated ducting of the hot air flow.**

EDERA	Non-flammable walls	Flammable walls	
Multiair	A = 2 cm B = 15 cm	A = 2 cm B = 20 cm	

If particularly delicate objects are present, such as furniture, curtains or sofas the distance of the product must be significantly increased.



**If the floor is made of wood, it is recommended to place a floor protection in accordance with the Standards in force in the country of installation.**



**Heat-sensitive or flammable objects cannot be placed near the product. Keep such objects at a minimum distance of 80 cm from the outermost point of the product.**

## 2-INSTALLATION INSTRUCTIONS

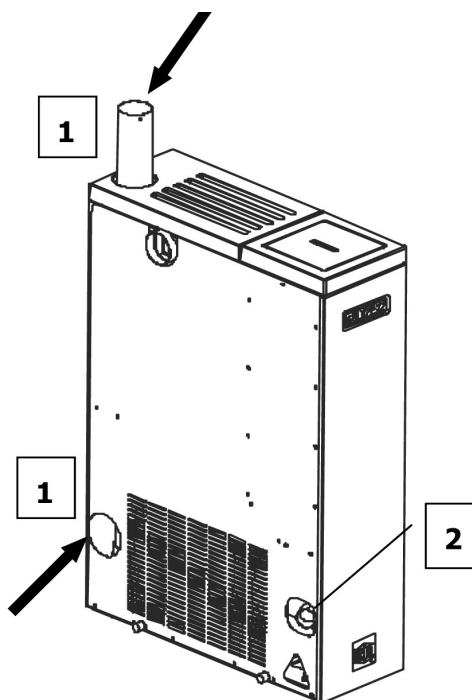
### CONNECTION OF THE SMOKE EXHAUST DUCT

When drilling the hole for the smoke exhaust pipe, the possible presence of flammable materials must be considered. If the hole must be made through a wooden wall or thermolabile material, the **INSTALLER MUST** first use the relative wall fitting (minimum diam. 13 cm) and adequately insulate the pipe of the product that passes through it, using suitable insulating material (1.3 - 5 cm thick with minimum thermal conductivity 0.07 W/m<sup>2</sup>K).

The same minimum distance must be applied if the pipe of the product must pass through vertical or horizontal sections near the thermolabile wall.

It is recommended to use an insulated double-wall pipe in external sections in order to prevent condensation from forming.

The combustion chamber works in negative pressure.



REAR VIEW OF A PELLET STOVE (EXAMPLE)

1) SMOKE OUTLET

2) COMBUSTION AIR INLET

## 2-INSTALLATION INSTRUCTIONS

**Always use pipes and fittings with appropriate seals that guarantee tightness.**

It must be possible to inspect all sections of the flue duct and they must be removable for periodic internal cleaning (T-fitting with inspection hole).

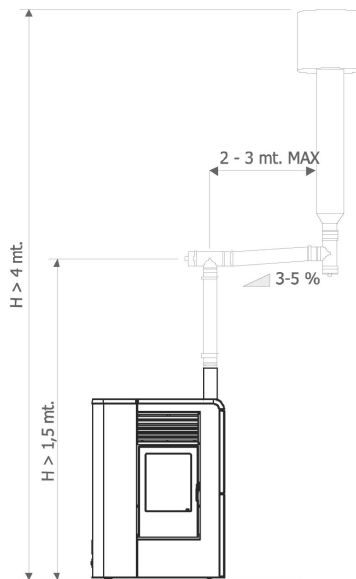
Position the product considering all the above requirements and instructions.



### **IMPORTANT!**

*The following conditions must be complied with when connecting the appliance to the chimney:*

- *The smoke duct must be at least category T200 (or higher if required by the smoke temperature of the appliance) and P1-type (airtight).*
- *All 90° angles (max. 3) in the smoke exhaust duct must be preferably fitted with the relative T-fittings with inspection hole. (See pellet product accessories).*
- *It is strictly forbidden to fit a mesh at the end of the exhaust pipe as it could cause the product to malfunction (due to clogging).*
- *It is forbidden to use counter-sloping pipes.*
- *The horizontal section of the smoke duct must not be longer than 2-3 m.*
- *It is also recommended not to exceed 6 metres in length with the pipe Ø 80 mm.*
- *The smoke duct must not cross rooms in which it is forbidden to install combustion appliances.*



PELLET STOVE INSTALLATION EXAMPLE

### **COMBUSTION AIR (2)**

During operation a certain amount of air is drawn from the room in which the product is installed and this air must be supplemented through an external air inlet.

## 2-INSTALLATION INSTRUCTIONS

### CONNECTION TO THE EXTERNAL AIR INLET

It is essential for the room where the product is installed to be adequately ventilated in order to guarantee sufficient air for proper combustion in the appliance. This is possible by means of suitable ventilation openings in the room itself or in an interconnected room through a permanent opening between the rooms.

For this purpose, drill a hole on the outer wall close to the product with a minimum section of 80 cm<sup>2</sup> (11 cm in diameter or 10x10 cm if rectangular, considering the protective grids), protected by a grid on the outside.

The air inlet must also:

- Be protected with a grid, metal mesh, etc. without reducing the net section.
- Be positioned in such a way so as not to be obstructed.
- Allow maintenance to be performed.
- Be directly interconnected with the room where the product is installed.
- In the case of ducting, up to 3.5 linear metres, increase the cross-section by about 5%, whereas for longer ducts, increase it by 15%



***Remember that the ventilation grilles always have a useful section in cm<sup>2</sup> on one side. When choosing the grille and size of the hole, check that the useful section of the grille is larger or equal to the section required by the company for product operation.***



#### **IMPORTANT!**

***The air flow can also be drawn from an adjacent room to that of the room where the product is installed, provided the air can flow freely through permanent openings interconnected with the outside; air inlets connected to thermal units, garages, kitchens or bathrooms must be avoided.***

### CONNECTION TO THE CHIMNEY

The chimney is the fundamental element for smoke expulsion and must therefore comply with the following requirements:

- Be waterproof and thermally insulated.
- Be made of suitable materials that resist mechanical stress over time, heat, the effects of the combustion products and any possible condensation.
- Have a vertical set-up with deviations from the axis of no more than 45° and free of bottlenecks.
- Must be suitable for the specific operating conditions of the product and have the CE marking (EN1856-1, EN1443).
- Must be adequately sized for the draught/smoke expulsion requirements that are necessary for the product to operate correctly (EN13384-1).
- The internal section is preferably circular.
- In the case of a pre-existing product that has been used, it must be cleaned.



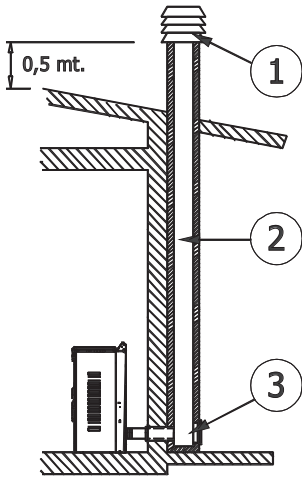
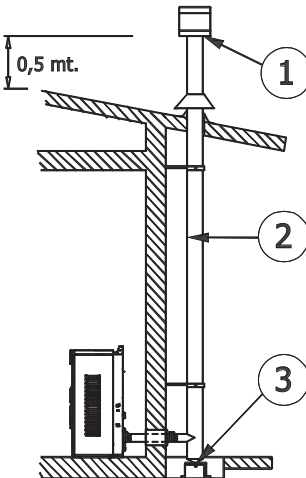
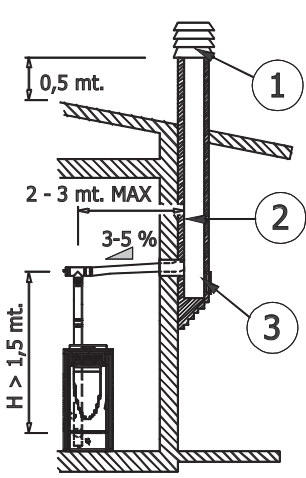
***The chimney is fundamental for correct operation and safety of your product.***

Hereunder are a few guidelines for a correct installation. Any alternative configurations must be suitably sized in accordance with the general method of calculation of UNI EN 13384-1.



## 2-INSTALLATION INSTRUCTIONS

### CONNECTIONS

CONNECTION TO THE CHIMNEY	CONNECTION TO AN EXTERNAL DUCT WITH AN INSULATED OR DOUBLE-WALL PIPE	CONNECTION TO THE CHIMNEY
<p>The internal dimensions of the chimney must not exceed 20x20 cm or 20 cm in diameter. In the case of larger dimensions or bad chimney conditions (e.g. cracks, poor insulation, etc.), it is advisable to fit a stainless steel pipe of suitable diameter throughout the length of the chimney right to the top.</p>	<p>The minimum internal dimensions of the external duct must be 10x10 cm or 10 cm in diameter and must not exceed 20x20 cm or 20 cm in diameter. Only stainless steel insulated (double-wall) pipes must be used, which are smooth on the inside and fixed to the wall. Flexible stainless steel pipes must not be used.</p>	<p>The connection between the product and the chimney or the smoke duct must not have an inclination that is less than 3% in the horizontal sections, which must have a maximum overall length of 2/3 m. The vertical section between one T-fitting and another (angle) must not be less than 1.5 m.</p>
		

1) WINDPROOF CHIMNEYPOT 2) CHIMNEY 3) INSPECTION HOLE

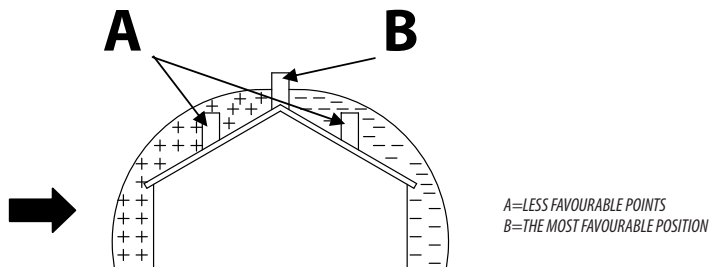


- Use adequate instruments to verify that there is a minimum draught of 5 Pa.
- Set-up an inspection hole at the bottom of the chimney to perform periodic checks and cleaning, which must be done annually.
- The connection to the chimney must be sealed and the fittings and pipes recommended by us must be used (CE marked in accordance with EN1856-2 with the minimum requisites: T200 and P1).
- You must ensure that a windproof chimney pot is installed in accordance with the regulations in force.
- This type of connection guarantees smoke expulsion even in the event of a temporary power cut.

## 2-INSTALLATION INSTRUCTIONS

### OPERATING PROBLEMS RELATED TO DRAUGHT DEFECTS IN THE CHIMNEY

Among all the weather and geographical conditions that affect chimney operation (rain, fog, snow, altitude a.s.l., exposure to sunlight, orientation to the cardinal points, etc.), the wind is certainly the most determinant. In fact, besides the thermal depression caused by the difference in temperature between inside and outside the chimney, there is another type of depression (or overpressure): dynamic pressure caused by the wind. An updraft always increases depression and therefore the draught. A horizontal wind increases depression provided the chimneypot has been installed properly. A downdraft always decreases depression and sometimes inverts it.



Besides the direction and force of the wind, the position of the chimney and the chimneypot with respect to the roof of the building and the surrounding landscape is also important.

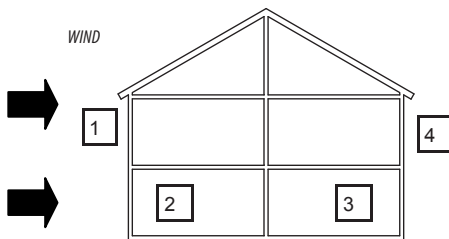
The wind also affects chimney operation indirectly by creating overpressure and depression zones within the building as well as outside. An internal overpressure can be created in rooms that are directly exposed to the wind (2), which can enhance the draught in stoves and fireplaces, however, it can be counteracted by the external overpressure if the chimneypot is situated on the side exposed to the wind (1). On the other hand, a dynamic depression can be created in rooms that are opposite the wind direction (3), which competes with the natural thermal depression generated by the chimney, however, this can be compensated for (sometimes) by placing the smoke duct opposite the wind direction (4).



#### **IMPORTANT!**

***The operation of the pellet product is significantly affected by the chimney layout and position.***

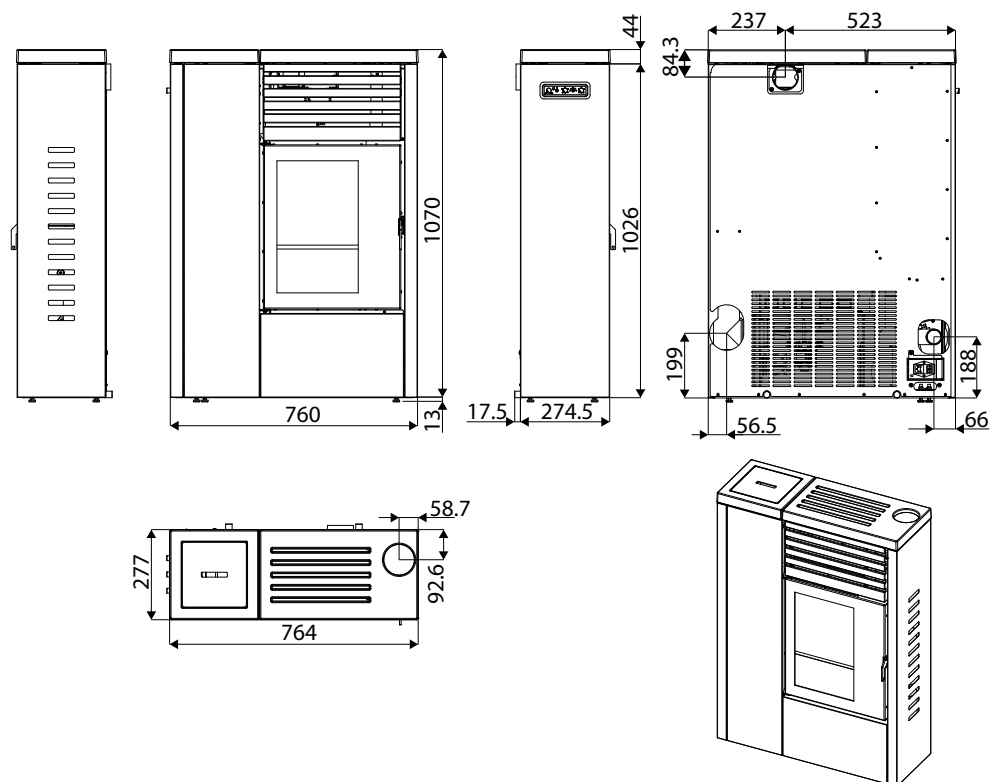
***Hazardous conditions can only be resolved by qualified personnel setting the product appropriately.***



### 3-INSTALLATION AND ASSEMBLY

#### DRAWINGS AND CHARACTERISTICS

EDERA MULTIAIR DIMENSIONS (in cm)



### 3-INSTALLATION AND ASSEMBLY

TECHNICAL CHARACTERISTICS	EDERA MULTIAIR
Max. overall thermal power:	8 kw / 6880 kcal
Min. overall thermal power:	3,2 kw / 2752 kcal
Efficiency at Max	87,8%
Efficiency at Min	93,6%
Temperature of exhaust smoke at Max	160 °C
Temperature of exhaust smoke at Min	90 °C
Dust / OGC / Nox (13% O <sub>2</sub> )	28 mg/Nm <sup>3</sup> - 27 mg/Nm <sup>3</sup> -145 mg/Nm <sup>3</sup>
CO at 13% O <sub>2</sub> at Min and at Max	0,052 – 0,015%
CO <sub>2</sub> at Min and at Max	6,0% - 9,2%
Recommended draught at Max power	0,10 mbar - 10 Pa
Recommended draught at Min power	0,05 mbar - 5 Pa
Mass of smoke at Min and at Max	4,0 - 7,0 g/sec
Hopper capacity	30 litri
Type of pellet fuel	Pellet diameter 6-8 mm and size 5/30 mm
Pellet hourly consumption	Min ~ 0,7 kg/h* - Max ~ 1,8 kg/h*
Autonomy	Al min ~ 29 h* - Al max ~ 11 h*
Heatable volume m <sup>3</sup>	172/40 – 197/35 – 229/30 **
Combustion air inlet	External diameter 50 mm
Smoke outlet	External diameter 80 mm
Air inlet	80 cm <sup>2</sup>
Electrical power consumption	Max 320 W - Med. 100 W
Supply voltage and frequency	230 Volt / 50 Hz
Net weight	125 kg
Weight with packaging	135 kg

\* These data may vary according to the type of pellets used.

\*\* Heatable volume based on the heat demand 40-35-30 m<sup>3</sup> (respectively 40-35-30 Kcal/h per m<sup>3</sup>).

**Tested according to EN 14785 in accordance with Directive 89/106/EEC (Construction Products).**

## 3-INSTALLATION AND ASSEMBLY

### PREPARATION AND UNPACKING

The **Edera** stove is delivered with a number of packages:

- The first contains the stove (fig. 1).
- The second contains the three painted metal panels (two sides + 1 front). The cardboard with the sides is packed together with the stove package (fig. 2).

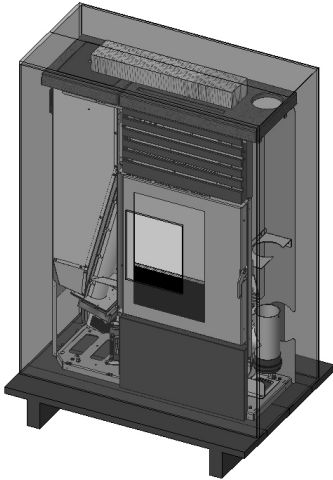


FIGURE 1 - STOVE PACKAGING (FRONT VIEW)

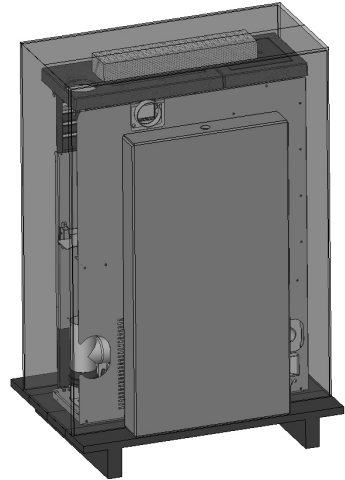


FIGURE 2 - STOVE PACKAGING + SIDE AND FRONT PANELS

Open the package, remove the four screws from the base of the product (2 front and 2 rear), which block the stove to the pallet (fig. 3). The screws are easily reached since the stove is packed without panels (fig. 3). Set the stove in the pre-selected place, making sure this complies with the requirements. The stove body or the unit must always remain in a vertical position and handled solely with a cart. Pay particular attention to the door and its glass, protecting them from mechanical knocks that would compromise their integrity. In any case, the product must always be handled with care. If possible, unpack the stove near the place of installation. The packaging materials are neither toxic nor harmful, and therefore no particular disposal measures are required.

### 3-INSTALLATION AND ASSEMBLY

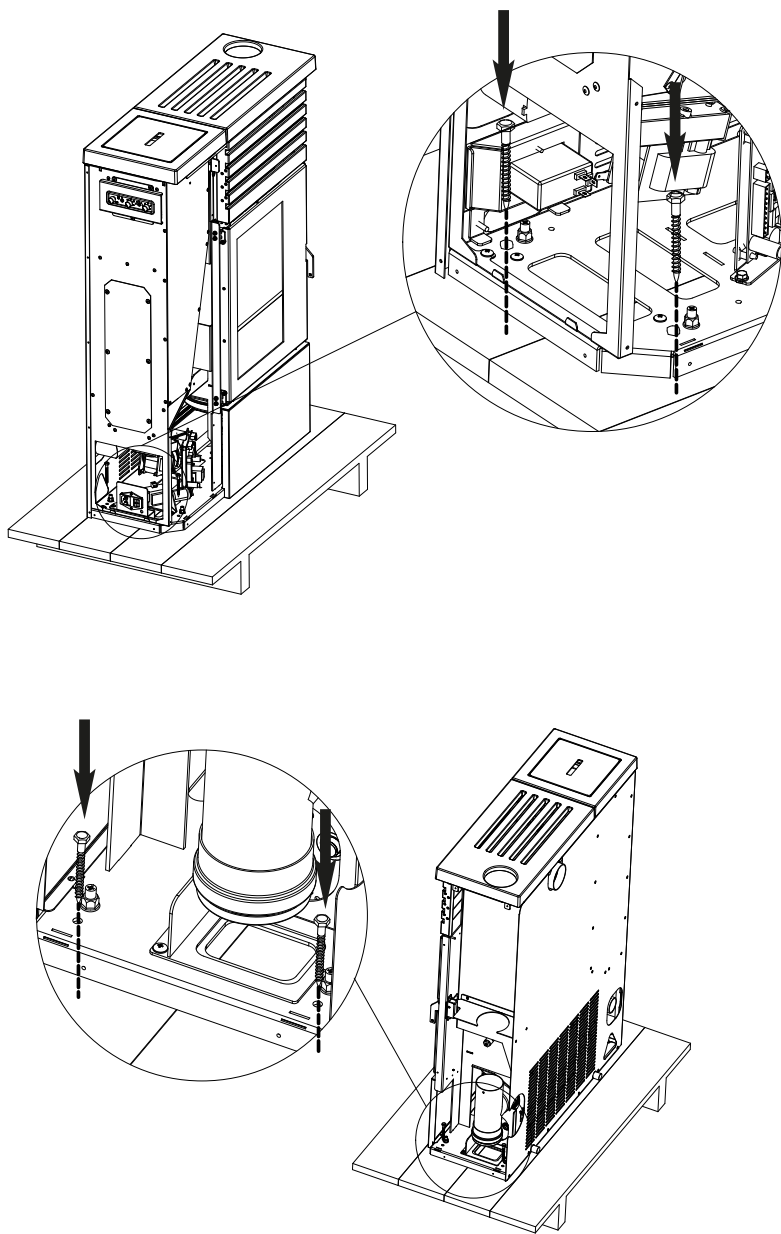


FIGURE 3 - STOVE PACKAGE FASTENING SCREWS

### 3-INSTALLATION AND ASSEMBLY

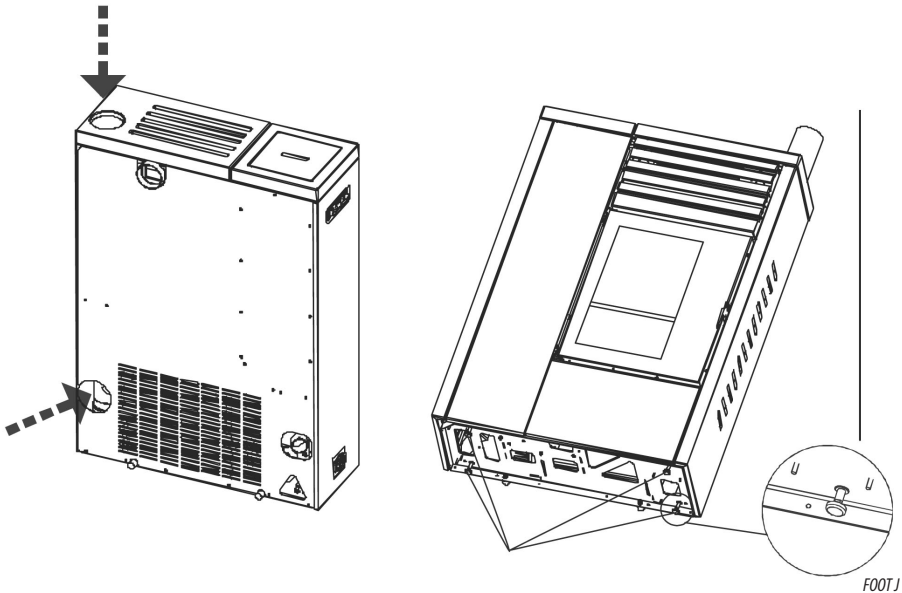
**Therefore, the end user is responsible for product storage, disposal or possible recycling in compliance with the relative applicable laws.** Position the product without its cladding and connect it to the chimney. Once the connections are complete, assemble the cladding (steel sides).

If the product must be connected to an exhaust pipe that goes through the rear wall (to enter the chimney), make sure not to force it in. Adjust the 4 feet (J) to level the stove for the smoke exhaust and the pipe to be coaxial. The ceramic sides must not be fitted when the feet are adjusted as this is carried out inside the cladding.



**Attention!!**

**Do not use and/or force the smoke exhaust pipe when handling the stove as it can damage its operation.**



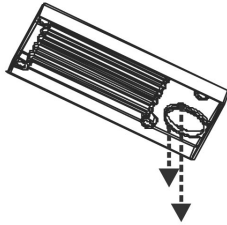
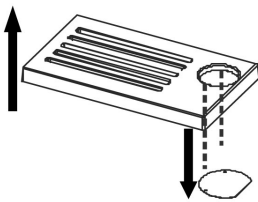
1. TURN THE FEET CLOCKWISE TO LOWER THE PRODUCT.
2. TURN THE FEET ANTI-CLOCKWISE TO RAISE THE PRODUCT.

### 3-INSTALLATION AND ASSEMBLY

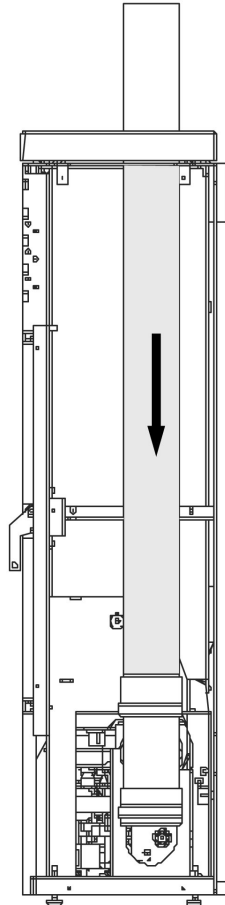
#### CONNECTION OF THE SMOKE OUTLET PIPE

The smoke outlet can be set up on the rear or upper part of the product.

If you wish to connect the **smoke outlet to the upper part**, remove the cap with the two screws from under the top. Then insert the pipe until it engages with the smoke fitting.



*REMOVE THE CAP FASTENED WITH TWO SCREWS FROM UNDER THE TOP.*

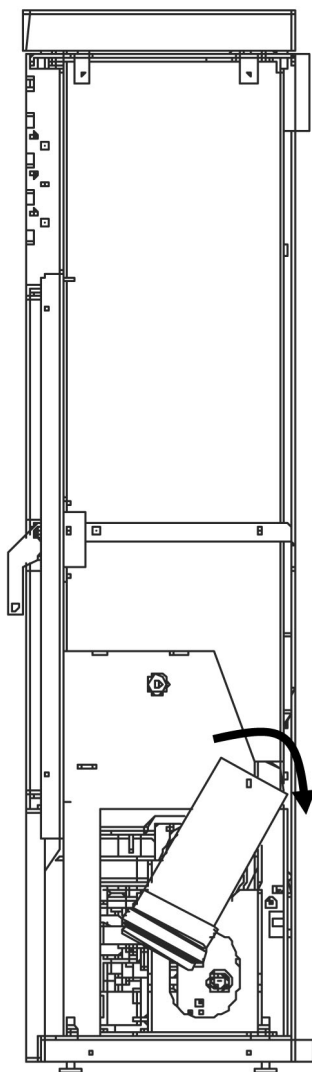


*INSERTING THE PIPE FOR THE UPPER SMOKE OUTLET.*



### 3-INSTALLATION AND ASSEMBLY

If you wish to connect the **smoke outlet to the rear part**, turn the T-fitting towards the rear of the stove.  
Then connect the pipes.

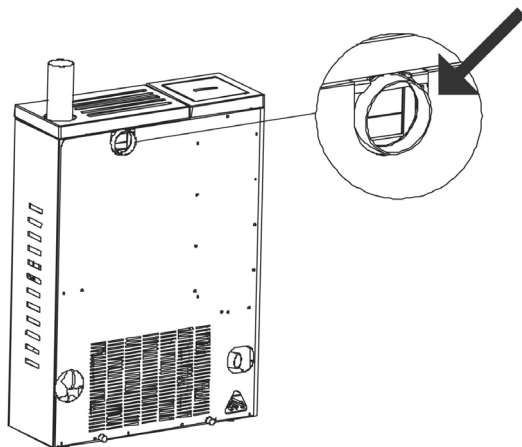


*TURN THE T-FITTING FOR THE REAR SMOKE OUTLET.*

### 3-INSTALLATION AND ASSEMBLY

#### CONNECTING THE HOT AIR DUCTING

Once the stove is set in place, the hot air piping can be installed.



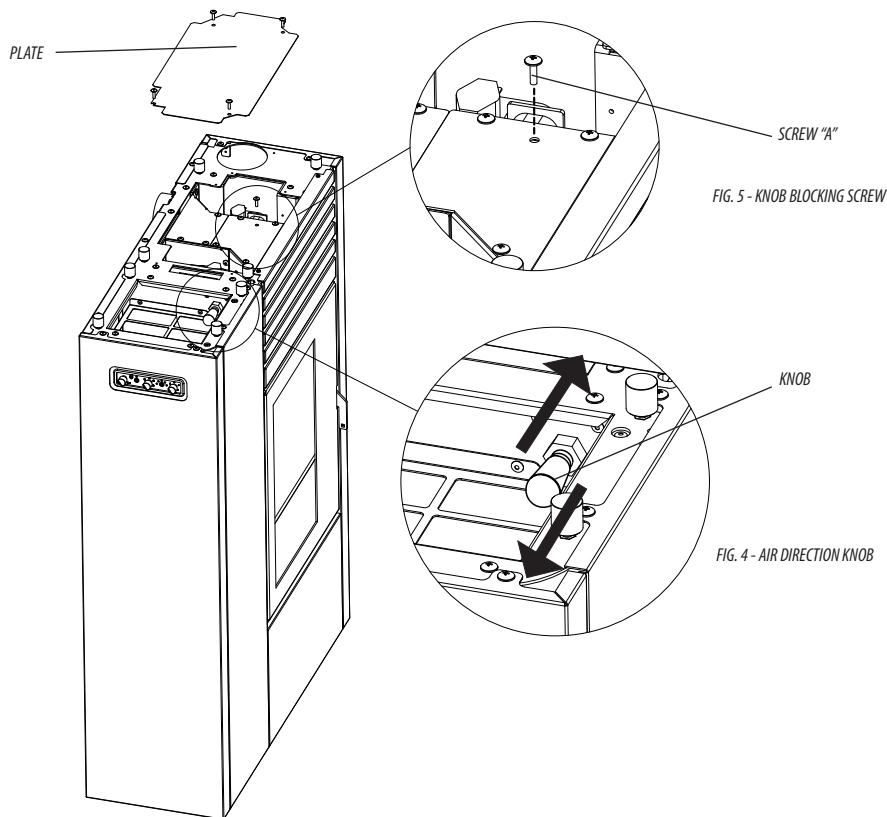
The air can be channelled by fastening a flexible pipe on the rear part of the stove, in line with the hole on the upper part. Insert the pipe and block it in place with a clamp.

The air outlet direction can be changed at any time even if it has been ducted.

The stove, by default setting, is designed so that hot air only comes out of the front. In the event one wishes to channel the air, one must simply lift the top (the biggest part), remove the plate (by removing the 4 screws) and from beneath the plate remove screw "A" which locks the knob (fig.5).

The fully extracted knob entails air to come out of the back; hence it can be channelled, while the intermediate positions enable to channel the air at the back and at the front.

### 3-INSTALLATION AND ASSEMBLY



**Room ventilation can only be set towards the rear wall if there is adequate insulated ducting of the hot air flow.**

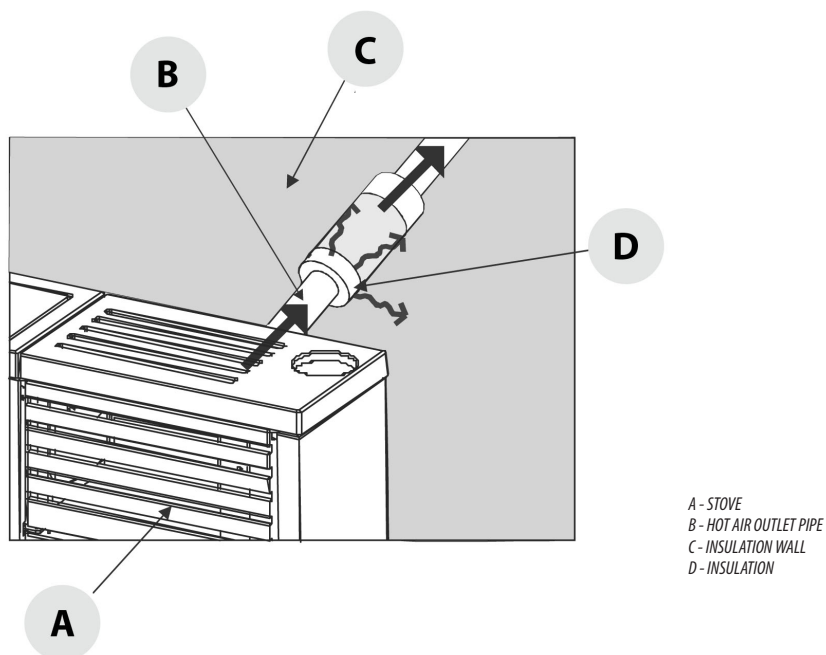


**The air outlet pipe can become very hot, approx. 200 °C: therefore, it must be adequately insulated with suitable material, especially points that could come in contact with flammable surfaces or parts that are affected by heat (e.g. change in shades, wiring ducts, plasterboard, etc.). Moreover, persons and animals must be protected from accidental or intentional contact. In any case, comply with the regulations and laws in force in the region where the product is installed.**



**It is recommended to insulate the entire length of the pipe in order to reduce dispersion and increase heat output in the room.**

### 3-INSTALLATION AND ASSEMBLY



If the wall that is to be drilled through is made of flammable material, the **INSTALLER MUST** adequately insulate the pipe of the stove that passes through it, using suitable insulating material (1.3 - 5 cm thick with min. thermal conductivity  $0.07 \text{ W/m}^\circ\text{K}$ ). However, the pipe inserted in the wall must be adequately insulated in order not to disperse heat and soundproof the released air.

### 3-INSTALLATION AND ASSEMBLY

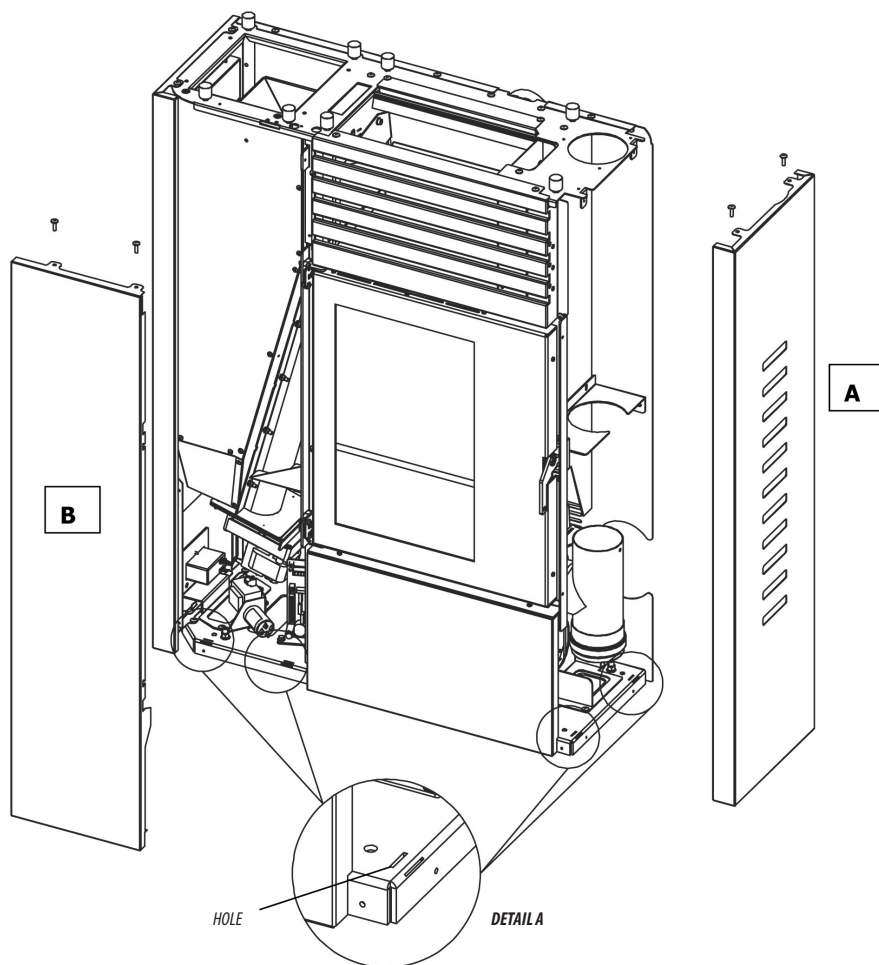
#### ASSEMBLING THE SIDE-FRONT AND TOP CLADDING

##### ASSEMBLING THE SIDE AND FRONT PANELS

The stove is supplied with the side and front panels packed separately, therefore unpack all the parts before proceeding with the assembly.

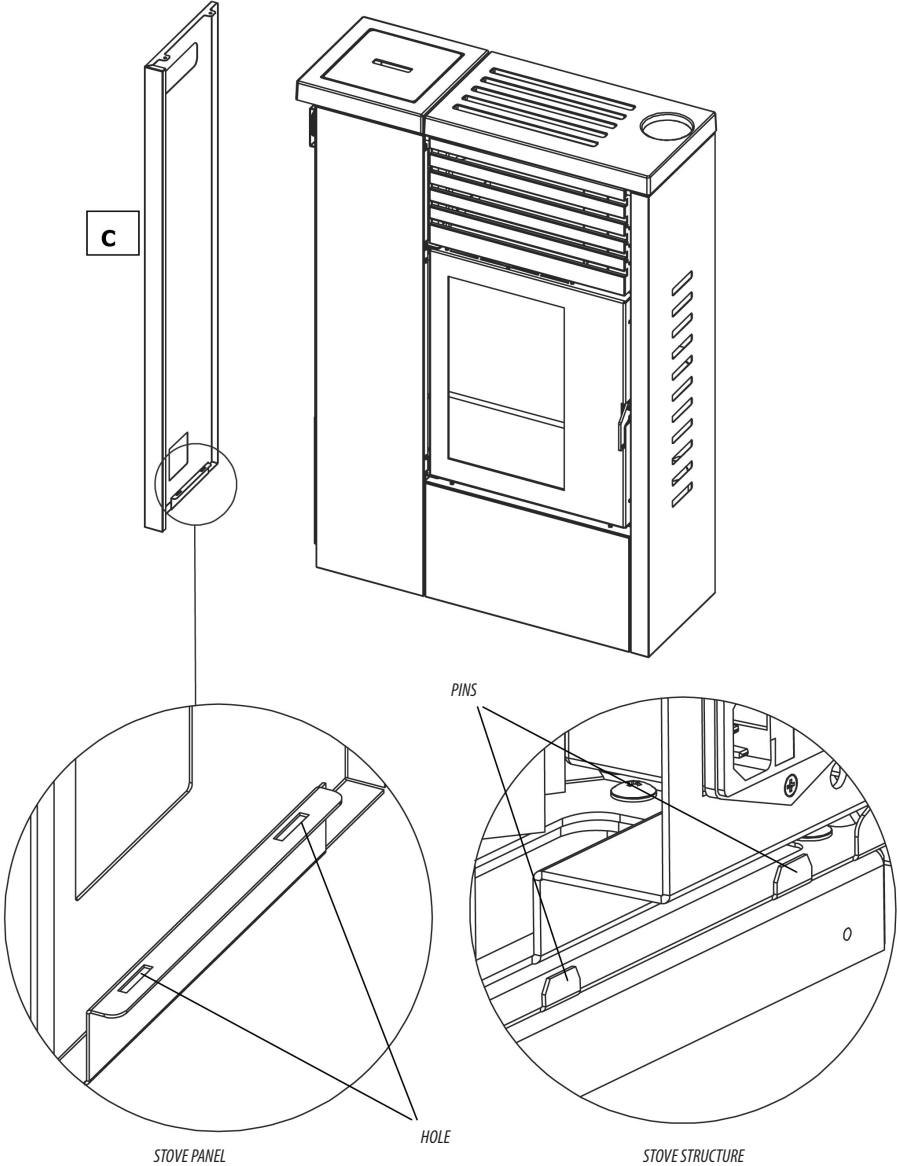
Proceed as follows to assemble the front panel **B** and the side panel **A**:

- fit the pins on the lower part of the panel into the holes in the structure of the stove (**detail A**); then fasten the panel to the structure in the upper part with the screws supplied (two screws).



### 3-INSTALLATION AND ASSEMBLY

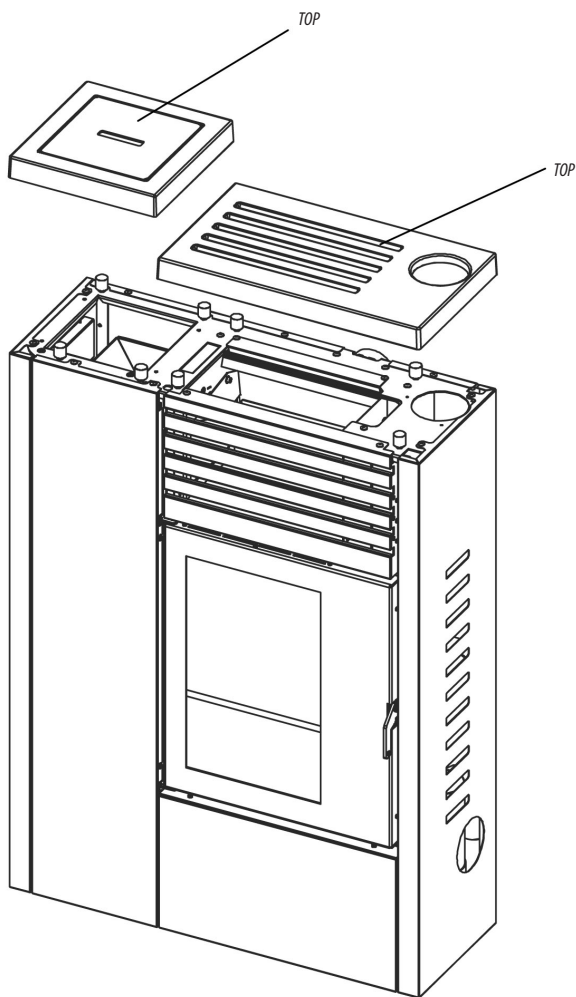
Fit the pins on the lower part of the panel into the pins on the structure of the stove (detail B) in order to assemble the side panel **C**. Then fasten the panel to the structure of the stove with the two screws supplied.



### 3-INSTALLATION AND ASSEMBLY

#### ASSEMBLING THE TOP

The top does not require particular fastening as it is only placed on the structure of the stove in line with the relative vibration dampers.



### 3-INSTALLATION AND ASSEMBLY

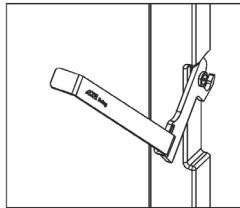
#### OPENING/CLOSING THE DOOR



##### **ATTENTION!**

*The door must be closed properly for the stove to work correctly.*

The door of the Edera stove is opened by inserting the cold handle on the opening hook of the door, lifting and pulling.



OPENING THE DOOR OF THE EDERA STOVE.

#### ELECTRICAL CONNECTION

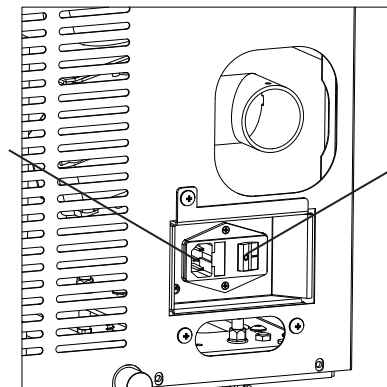
First connect the power cable to the back of the product and then to a wall socket.

The main switch at the side must only be activated to switch the stove on; otherwise, it is advisable to keep it off.



*It is recommended to disconnect the power cable when the stove is not used.*

CONNECTION OF THE POWER CABLE TO  
THE STOVE



I/O SWITCH

ELECTRICAL CONNECTION OF THE STOVE.



## 4-OPERATION

### CONTROL PANEL DISPLAY

#### CONTROL PANEL LOGIC

Some useful information is provided below to understand the logic and use of the control panel:

- Knob **A** sets 5 levels of ventilation. The knob turns smoothly from min to max.
- Knob **B** allows the room temperature to be set. The temperature ranges from a min of 15°C to a maximum of 30°C and even in this case, the knob turns smoothly.
- Knob **C** sets 5 flame levels (power); the key turns smoothly.
- The product is switched on and off via key **D**.
- The pellet load is increased or decreased via key **E** with respect to the default setting that is equal to 0. When the product is switched on for the first time, the set value is 0 (the LED in the middle). The pellet load can be increased via key E (LED to the right +1/+2) or decreased (LED to the left -1/-2). The selected LED will remain orange while the appliance works and will go off when the product is switched off. The last setting will be saved in the memory for the next start-up.

- **Led 1** – descriptions.

**Fixed Green** – the product is on.

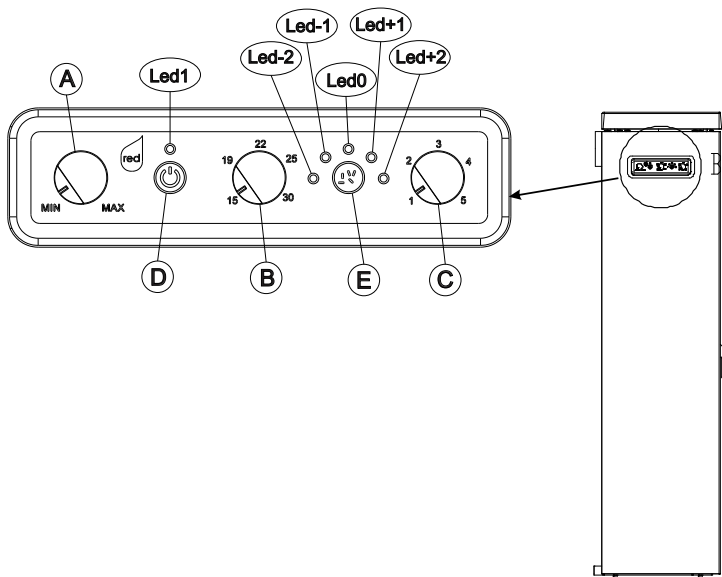
**Flashing Green** – the product is on or being set.

**Flashing Orange** – the product is off (even due to ECO-STOP).

**Flashing Red + buzzer** – an alarm has been triggered.

**Flashing Orange/Green** – on stand by due to ECO-STOP.

- The 5 LEDs above key **E** (0/-1/-2/+1/+2) are activated to indicate the type of alarm and the pellet loading type selected.



#### LEGENDA

A. Fan adjustment knob.	E. Pellet loading key
B. Temperature adjustment knob.	LED 1. Multi-coloured LED ON/OFF.
C. Power adjustment knob.	LEDs -2/-1/0/+1/+2 Pellet loading level or alarm alert.
D. ON/OFF key.	

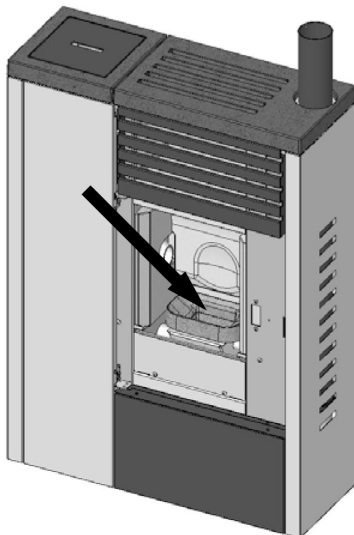
## 4-OPERATION

### BEFORE START-UP

#### GENERAL PRECAUTIONS

Remove all components that could burn from the firebox of the stove and the glass (instructions, various adhesive labels and any polystyrene).

**Check that the brazier is positioned correctly and rests properly on the base.**



After a long period of inactivity, remove any pellets left in the hopper (**using a vacuum cleaner with a long pipe**), as they could have absorbed moisture, thereby altering their original characteristics and no longer being suitable for combustion.



**The first start-up may not be successful as the feed screw is empty and does not always manage to load the required amount of pellets in the brazier in time for the fire to be regularly ignited.**



**CANCEL THE FAILED START-UP ALARM STATUS BY PRESSING KEY D FOR A FEW SECONDS. REMOVE THE PELLETS FROM THE BRAZIER AND REPEAT START-UP.**

If a flame does not ignite after a number of failed start-ups, even though the pellet supply is correct, make sure the brazier is set in place correctly, which must be interlocked in its seat and clean from any ash deposits. If no anomaly is found during this inspection, there may be a problem with the stove components or installation may not be correct.



**REMOVE THE PELLETS FROM THE BRAZIER AND CONTACT AN AUTHORISED TECHNICIAN.**



**Avoid touching the stove during the initial start-up, as the paint hardens during this phase. If you touch the paint, the steel surface may be exposed.**

If necessary, touch up the paint with the spray can of the specific colour. (see "Pellet stove accessories")

## 4-OPERATION



***It is good practice to guarantee effective ventilation in the room during the initial start-up, as the stove will emit some smoke and smell of paint.***

Do not stand close to the stove and air the room. The smoke and smell of paint will disappear after about an hour of operation, however, they are not harmful in any case.

The stove will be subject to expansion and contraction during the start-up and cooling phases, therefore light creaking noises may be heard.

This is absolutely normal as the structure is made of laminated steel and must not be considered a defect.

It is extremely important to make sure the stove is not immediately overheated and the temperature is increased gradually starting from the low power.

This will prevent damaging the ceramic tiles, the welds and the steel structure.



***Do not expect heating efficiency immediately!***

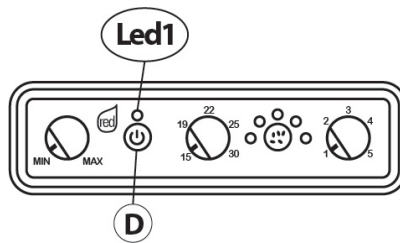
### CONTROL PANEL START-UP/SHUTDOWN (key D)

The product is switched on and off by **pressing key D on the control panel for 2 seconds.**

LED 1 will light up in green and flash during start-up and will remain green and lit when the product is on.

**The start-up phase lasts approximately 20 minutes after which the product enters the steady state (LED 1 lights up green and remains on).**

Key **D** is also used to switch the appliance off.



### FEED SCREW LOADING

The **FEED SCREW LOADING** function can only be activated when the stove is off and allows the pellets to be loaded into the feed screw (loading system) quickly. It can be used for the initial start-up and each time the pellets finish in the feed screw and hopper (see alarm LED -1/-2). It is useful to prevent failed start-ups due to the hopper being empty.

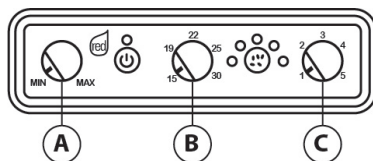
The FEED SCREW LOADING function is activated as follows (with the stove off): bring selector "D" on the control panel to OFF and press key "E" on the same panel three consecutive times. The yellow LEDs above key "E" will start to flash alternately.

Press key "D" once again when the pellets begin to fall into the brazier to end the FEED SCREW LOADING function and proceed with the stove start-up.

## 4-OPERATION

### OPERATING MODE

The product has the following operating mode.



#### Setting the room temperature (Knob B).

The temperature that is desired in the room in which the product is installed is set via control **B** and ranges from a minimum of 15°C to a maximum of 30°C.

When this is met, the product setting is equivalent to the minimum consumption values (the flame and hot air fan speed at minimum, see the following points), and then returns to the set values when the room temperature drops below the set threshold.

#### Setting the power (Knob C).

Each power level corresponds to a different fuel consumption value: when set to 5, the room becomes warm in a shorter time and the room temperature can be kept constant when set to 1.



*The flame power setting takes effect only after the start-up phase is completed and a steady state is reached.*

#### Setting the hot air fan speed (Knob A).

The hot air fan speed can be adjusted via control **A**.



*The fan is activated when the product warms up.*

*The speed is automatically set to maximum during the shutdown phase in order to cool the product quicker.*

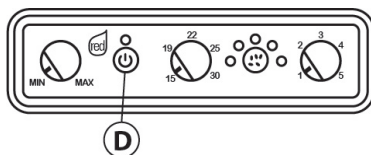
### SHUTDOWN MODE (Key D)

The product is shutdown by pressing key D. The completely automatic cooling phase then begins, which involves stopping the fuel from being loaded, the brazier and the smoke evacuation duct being cleaned. The duration of this phase varies according to the number of hours the product has been on and its position; the hot air fan goes off during the first 10 minutes, whereas the smoke expulsion fan turns at minimum for a minimum temperature to be reached (default setting).



**NEVER SWITCH THE PRODUCT OFF BY DISCONNECTING THE POWER SUPPLY.**

*Always let it complete the shutdown cycle, otherwise the structure could be damaged and/or problems could arise in future start-ups.*

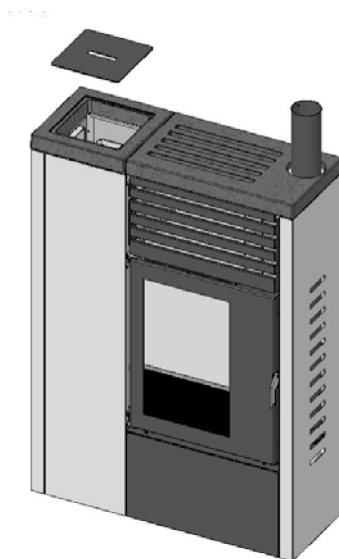


## 4-OPERATION

### LOADING THE PELLETS

Fuel is loaded from the upper part of the stove by lifting the cover. Slowly pour the pellets into the hopper.

***Be careful when loading pellets while the stove is hot as the cover could become very hot.***

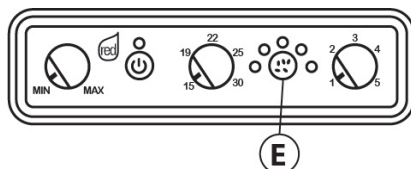


***No other type of fuel other than pellets, in compliance with above-mentioned specifications, is to be inserted into the hopper.***

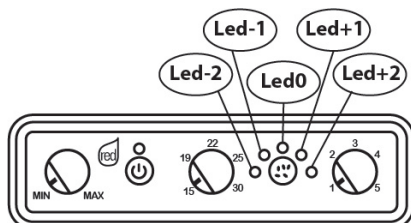
## 4-OPERATION

### SELECTING THE PELLET LOADING TYPE (Key E)

This operation allows the user to set the product in the most appropriate way according to the type of pellets available. Therefore, excessive fuel consumption is avoided, the intended heating capacity is guaranteed and the product integrity is safeguarded. The default pellet load (0) can be increased or decreased by acting on key **E** according to the flame characteristics (shape / colour / quality) and the user's experience (brazier is too empty or full).



**THE TYPE OF LOADING CAN BE SELECTED (default setting 0, -1/-2/+1/+2) UPON THE INITIAL START-UP OR EACH TIME IT IS NECESSARY. (E.g. when the pellet supplier is changed or when a difference in colour or size is noticed).**

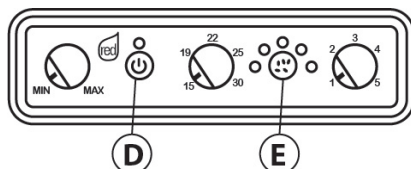


### SELECTING THE SMOKE EXTRACTOR SPEED

NIf the installation poses a difficulty for smoke evacuation (no draught or no pressure in the duct), the smoke and ash expulsion speed can be increased. This change resolves all the potential problems related to pellets clogging in the brazier and deposits forming at the bottom of the brazier itself caused by poor quality fuel or fuel that produces a lot of ashes.

Press keys **D** and **E** simultaneously for a few seconds and LED 0 will start to flash: the smoke extractor speed is then increased or decreased by acting on key E:

- led -2 = -20%.
- Led -1 = -10%.
- Led 0 = default.
- Led +1 = +8%.
- Led +2 = +15%.



## 4-OPERATION

### CONNECTION TO A ROOM THERMOSTAT



*The room thermostat is not included with the stove and must be installed by a qualified technician.*



#### ATTENTION!

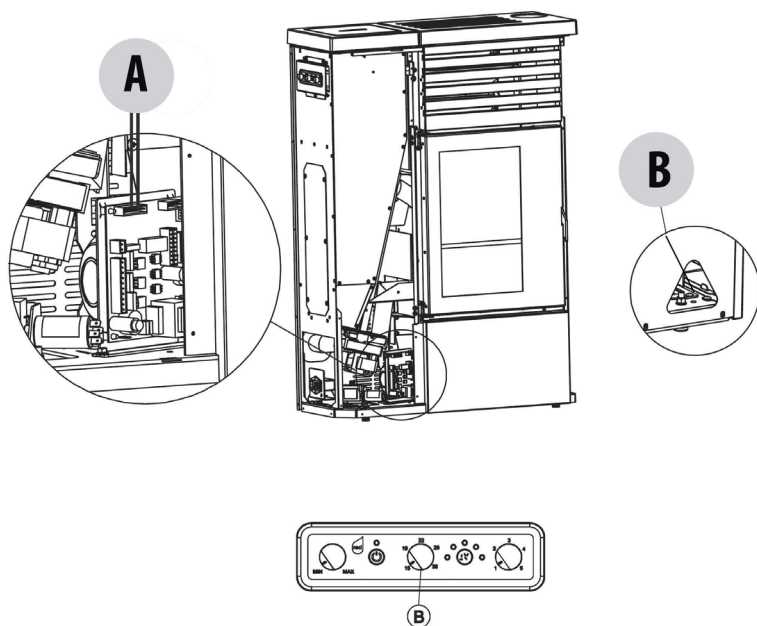
*The electrical wires must not make contact with the hot parts of the stove.*

The stove can also be connected to an external thermostat. The procedure below must be followed for the electrical connection:

- connect the two wires of the cable coming from the room thermostat to the two free terminals of the connector (**position 13** electronic board Chap. 7): The following is required to do so:

A - ROOM THERMOSTAT CABLE POS. 13

B - HOLE FOR CABLE PASSAGE



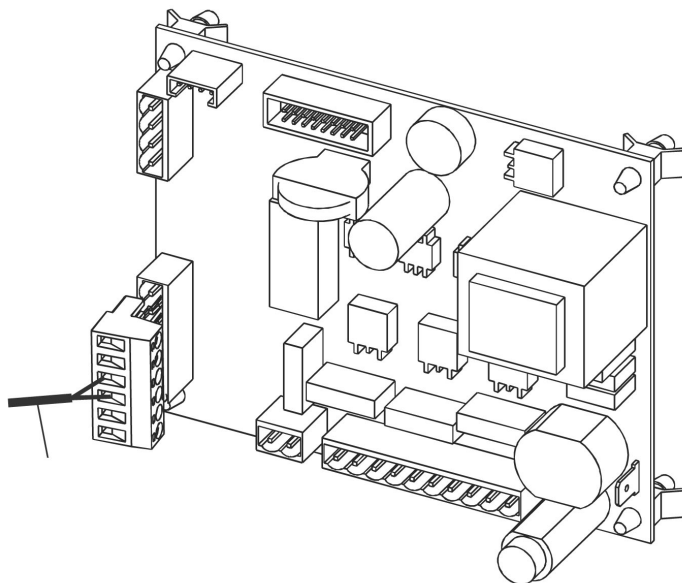
PASS THE TWO WIRES THROUGH THE HOLE ON THE BACK OF THE STOVE.  
PULL THE TWO WIRES FOR THE CONNECTION ON THE BOARD IN LINE WITH  
TERMINAL 13 (SEE CHAP. 7)

For the stove to operate according to the temperature set on the external thermostat knob (B) must be set to the minimum position (15°C).

Remember that when the temperature is reached, the stove does not shutdown but automatically modulates the flame and room fan to the minimum power. The stove only switches off if the Eco-Stop function has been activated.

## 4-OPERATION

ROOM THERMOSTAT CABLE  
POS.13



### OPERATION WITH ECO-STOP

The **Eco-Stop** function automatically switches the stove off when the room temperature is met and restarts when it varies.

**Activation:** briefly press the On/Off button 5 times consecutively within 6". The board emits a long beep as confirmation (3 seconds).

- During operation with the Eco-Stop function. The green LED does not remain constantly on but light up for 5 seconds and goes off for 2 seconds.
- When the temperature is reached (probe temperature on the stove is met and the contact of any external thermostat is open), the stove enters the Eco-Stop timer phase that involves the gradual passage in Power 1, which remains so for 20 s and if the set temperature is then still met, shutdown begins. If the temperature varies for a few seconds during the above-mentioned 20 s, thereby excluding a temporary signal, the timer resets immediately.
- When being shutdown due to Eco-Stop, the LED flashes alternately orange and green every 2".
- When in stand by due to Eco-Stop, the LED flashes alternately orange and green every 2".
- The stove is restarted due to the Eco-Stop when the following conditions occur:
  - at least 5 s have elapsed from when shutdown began;
  - the room T is lower than the set temperature by at least 2°C (e.g.: 20°C are set and restarts when it drops to 18°C);
  - during operation with an external thermostat, the contact of the latter controls the restart (e.g. in certain thermostats, the delta can be set from 0.5°C to 1.5°C);
  - N.B.: the above-mentioned conditions must remain stable for 10 consecutive seconds in order to exclude a temporary signal.
- The green LED flashes when restarted due to Eco-Stop (just like in a normal start-up).
- If the stove is switched off manually from the On/Off key with the Eco-Stop function activated, the function will still remain active when the stove is next started up.
- In the event of a black-out with the stove on and Eco-Stop active or in stand by due to Eco-Stop, the restore phase begins by shutting down due to Eco being active and subsequently restarting (if the temperature is not reached, with a delay of 120 s).

**Deactivation:** briefly press the On/Off button 5 times consecutively within 6". The board emits a long beep as confirmation (4 seconds).



## 4-OPERATION

### CONNECTION TO THE PROGRAMMABLE CHRONOTHERMOSTAT (optional accessory from the manufacturer)



*The room chrono is not included with the stove and the user is responsible for its installation.*

Refer to the instructions inside the optional programmable chronothermostat regarding its installation.

### SAFETY DEVICES

The product is supplied with the following safety devices.

#### PRODUCT MAIN SUPPLY SAFETY DEVICE

The appliance is protected by a fuse that is located near the switch (I).

#### SMOKE TEMPERATURE PROBE

Detects the temperature of the smoke, thereby enabling start-up or stopping the product when the temperature drops below the preset value.

#### PELLET HOPPER TEMPERATURE PROBE

If the temperature exceeds the preset safety value, it immediately stops the product, which must cool down before the probe is restored and the product restarted.

#### ELECTRICAL SAFETY

The product is protected against sudden changes in current by a main fuse in the power supply panel on the rear part. Other fuses that protect the electronic boards are found on the latter.

#### SMOKE FAN FAULT

If the fan stops, the electronic board promptly blocks the supply of pellets and the alarm is displayed.

#### GEAR MOTOR FAULT

If the gear motor stops, the product continues to work until the minimum cool level is reached.

#### TEMPORARY POWER CUT

If a power cut occurs during operation, the product automatically sets itself in cooling mode when the power is restored and then restarts.

#### FAILED START-UP

If no flame is developed during start-up, the product will go into alarm status.



**IT IS FORBIDDEN TO TAMPER WITH THE SAFETY DEVICES.**



The product can be started-up and the automatic function of the probe restored only after having eliminated the cause that triggered the safety system. This manual will help you understand which anomaly has occurred, and explain how to intervene according to the alarm message displayed on the appliance.

# 4-OPERATION

## LED 1 ALERT DURING OPERATION

LED 1 Off: product is off.

LED 1 Green and flashing: starting up.

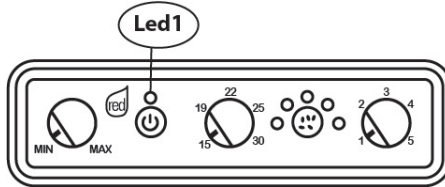
LED 1 Fixed green: product is on at a steady state.

LED 1 Orange and flashing: shutdown.

LED 1 Red and flashing: alarm in progress.

LED 1 Fixed red: product switched off after an alarm.

When the product shuts down due to a power cut, **LED 1** remains orange and flashing even after having cooled down.

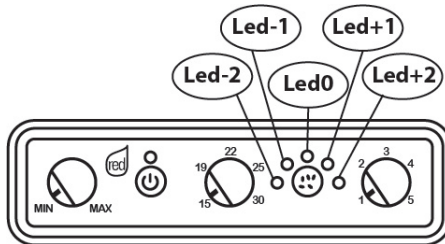


## ALARM ALERTS

If an operating anomaly occurs, the product indicates this with a buzzer and informs the user regarding the type of fault via the control panel.

The 5 **LEDs** above key **E** (-1/-2/+1/+2) are also activated to indicate the alarms. In the event of an alarm, LED 1 flashes red, a buzzer will be heard and the type of alarm is identified by one of the five corresponding LEDs.

The following table describes the possible alarms indicated by the product and helpful tips to resolve the problem.



### ATTENTION!

*The alarm is signalled by LED 1 lighting up red together with the relative LED (-2/-1/0/+1/+2) lighting up orange.*

## 4-OPERATION

LED INDICATION	TYPE OF PROBLEM	SOLUTION
<b>Led - 2</b>	The fire failed to ignite	Check the level of pellets in the hopper. Check that the brazier rests correctly in its seat and has no visible deposits of unburned pellets.
<b>Led - 1</b>	The fire goes off abnormally	Check the level of pellets in the hopper. Check that the brazier rests correctly in its seat and has no visible deposits of unburned pellets.
<b>Led 0</b>	The pellet hopper temperature exceeds the intended safety threshold. The structure overheats due to reduced heat dissipation.  Or Triggered pressure switch	Wait for the cooling phase to be completed, cancel the alarm and restart the product by setting the fuel load to minimum on LED-2 and increasing the speed of the room fan (knob A). If the alarm persists, contact the service centre.  Check and clean the ENTIRE smoke duct- Protect the outlet from any external wind.
<b>Led +1</b>	Abnormal smoke fan operation	Verify that the brazier has no visible deposits of unburned pellets. If the alarm persists, contact the service centre.
<b>Led +2</b>	Smoke temperature too high or faulty smoke probe.	Wait for the cooling phase to be completed, cancel the alarm and restart the product by setting the fuel load to minimum on LED-2 and increasing the speed of the room fan (knob A). If the alarm persists, contact the service centre.

### SHUTDOWN MODE DUE TO AN ALARM

As from when the alarm is triggered, the appliance automatically enters the cooling phase, similar to that of shutdown mode, in order to guarantee the system is cooled correctly and automatically cleaned.

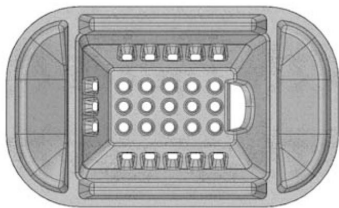
Simply press key **(D)** to silence the buzzer without interrupting the cooling phase: the red LED turns orange and flashes and will go off once the default shutdown temperature is reached.

The majority of the failed start-up and abnormal shutdown alarms can be cancelled by pressing key **D** once again, thereby switching to a new flame ignition phase (after having loaded pellets into the hopper). Certain alarms can be cancelled, others require the intervention of a specialised technician (previous table).

### DELETING THE ALARM STATUS

If an alarm is triggered, normal product operation is restored by pressing the on/off key **(D)**. If the cause that triggered the alarm does not persist, after a brief verification, the product exits the alarm state and can restart.

## 5-MAINTENANCE AND CLEANING



EXAMPLE OF A CLEAN BRAZIER



EXAMPLE OF A DIRTY BRAZIER



### ATTENTION!

**All the cleaning operations of all parts must be performed with a completely cold product and the plug disconnected.** The product requires little maintenance if used with certified good quality pellets.

### DAILY OR WEEKLY CLEANING PERFORMED BY THE USER BEFORE EACH START-UP

Clean the ash and any deposits in the brazier that could clog the air passage holes.

If the pellets in the hopper finish, unburned pellets may accumulate in the brazier. Always empty the residue in the brazier before starting-up.



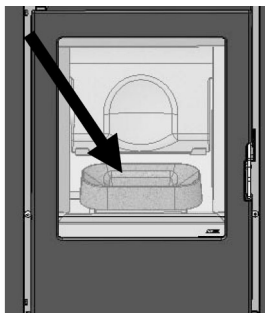
**REMEMBER THAT ONLY A CORRECTLY POSITIONED AND CLEAN BRAZIER CAN GUARANTEE START-UP AND OPTIMAL OPERATION OF YOUR PELLET PRODUCT.**

For the brazier to be cleaned properly, remove it from its housing completely and thoroughly clean all the holes and the grate on the bottom. If good quality pellets are used, you will normally only need to use a brush to restore the optimal operating conditions of the component.

### CHECKS TO BE PERFORMED EVERY 2/3 DAYS

Clean and empty the ash pan, being careful of hot ashes.

**Only if the ash is completely cold** can a vacuum cleaner be used to remove it. In this case, use an adequate vacuum cleaner to remove particles that are not so small. Experience and the quality of the pellets will determine the cleaning frequency required. **However, it is recommended not to exceed 2 or 3 days.**



CLEANING THE ASH COLLECTION COMPARTMENT

## 5-MAINTENANCE AND CLEANING

### CLEANING THE GLASS

It is recommended to clean the ceramic glass with a dry brush, or if it is very dirty, spray a little specific detergent and clean with a cloth.



#### ATTENTION!

*Do not use abrasive products and do not spray the glass spray cleaner on the painted parts or the door gaskets (ceramic fibre cord).*

### PERIODIC CLEANING PERFORMED BY A QUALIFIED TECHNICIAN

#### CLEANING THE HEAT EXCHANGER

**The compartment through which the exhaust smoke passes must be cleaned at the of the winter season.**

This cleaning process is mandatory in order to facilitate the general removal of all combustion residue, before it becomes very difficult to remove it due to the humidity compacting it over time.

If necessary, clean it more often.



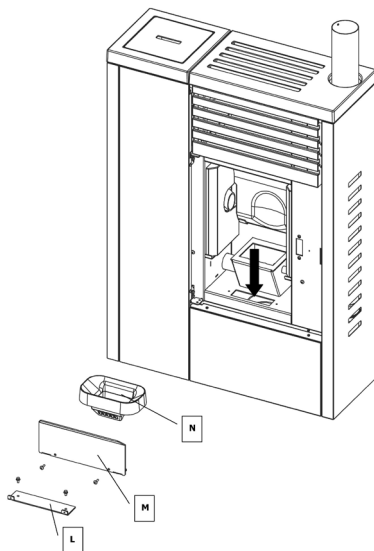
*It is good practice to guarantee effective ventilation in the room while cleaning the product.*

#### CLEANING THE EXCHANGER:

When the stove is cold, open the door, remove plate **M** (by removing the two screws) and remove brazier **N**; remove the side plates **O** and **P** by turning them slightly inwards for them to come out of their grooves and then pull them towards you (be careful as they can break easily).

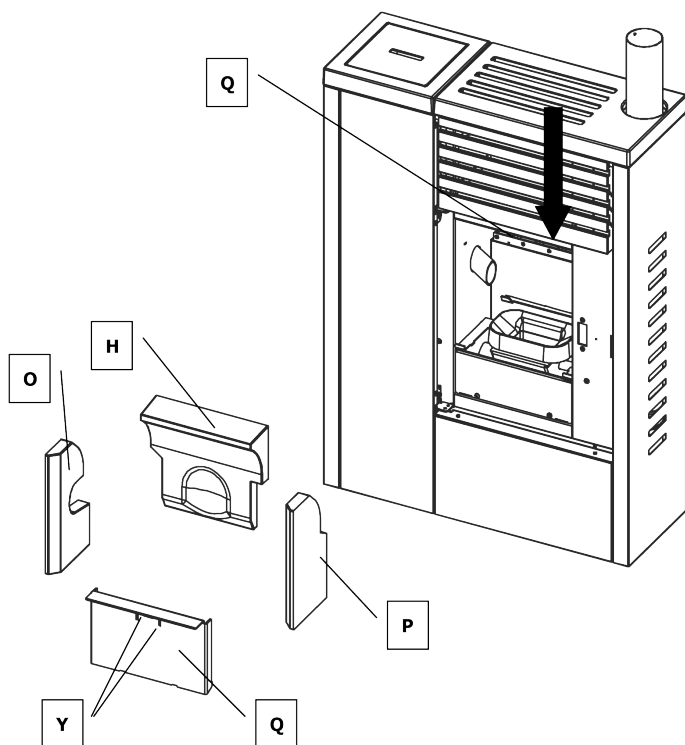
Once the side plates are removed, lift plate **H** slightly, tilt it downwards and remove it. Then remove the upper plate **Q** by inserting the cold handle or another tool in slot **V** on the upper part and lifting plate **Q**. Remove it from its seat by lifting it and then tilting it slightly downwards. Scrape the walls of the firebox with a rigid rod or a bottle brush into plate **Q** that has just been removed, for the ash to fall into the lower ash collection compartment.

Once the upper exchanger is cleaned, remove plate **L** after having removed the two screws, and use the nozzle of a vacuum cleaner to remove the ash and soot accumulated in the lower exchanger and around brazier **N**. Clean and reassemble everything.

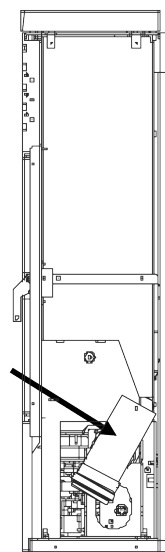


CLEANING THE BRAZIER

## 5-MAINTENANCE AND CLEANING



CLEANING THE UPPER EXCHANGER



CLEANING THE EDERA STOVE  
T-FITTING

### CLEANING THE SMOKE DUCT AND GENERAL CHECKS

Clean the smoke exhaust, especially around the T-fittings, curves and any horizontal sections.

Remove the side to clean the T-fitting.

For information on cleaning the flue, contact a chimney sweeper.

Check the tightness of the ceramic fibre gaskets on the door of the stove. If necessary, order new replacement gaskets from the retailer or contact an authorized service centre to carry out this task.



#### ATTENTION:

*The frequency with which the smoke exhaust must be cleaned depends on the use of the stove and the type of installation.*

*The company recommends contacting an authorised service centre for end-of-season maintenance and cleaning as the above-mentioned operations will be performed together with a general inspection of the components.*

5-MAINTENANCE AND CLEANING

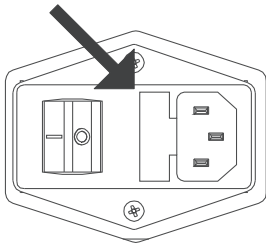
END-OF-SEASON SHUTDOWN

At the end of each season, before switching the product off, it is recommended to remove all the pellets from the hopper with a vacuum cleaner that has a long pipe.

**The appliance must be disconnected from the mains when it is not used. It is recommended to remove the power cable for additional safety, especially in the presence of children.**

The service fuse may have to be replaced if the control panel display does not go on when the product is next switched on by pressing the main switch on its side.

There is a fuse compartment on the side of the product, under the power socket. After having disconnected the plug from the socket, use a screwdriver to open the cover of the fuse compartment and if necessary, replace them (3.15 A delayed).



CHECKING THE INTERNAL COMPONENTS



**ATTENTION!**  
*The internal electromechanical components must only be checked by qualified personnel whose technical expertise includes combustion and electricity.*

It is recommended to perform this routine maintenance annually (with a scheduled service contract), which focuses on a visual and functional verification of the internal components. The following is a summary of the necessary checks and/or maintenance for the product to work correctly.

PARTS/INTERVAL	1 DAY	2-3 DAYS	30 DAYS	90 DAYS	1 YEAR
Brazier	•				
Ash collection compartment		•			
Glass		•			
Lower exchanger				•	
Complete exchanger					•
Smoke ducts and fittings for the chimney			•		
Door gasket					•
Flue					•

## 6-PROBLEMS/CAUSES/SOLUTIONS



### ATTENTION:

*All repairs must only be carried out by a specialised technician, with the product switched off and the plug disconnected.*

*If the product is NOT used as described in this instruction manual, the manufacturer declines all liability for any damage caused to persons and property.*

*All the necessary measures and/or precautions must be adopted when performing maintenance, cleaning and repairs.*

- *Do not tamper with the safety devices.*
- *Do not remove the safety devices.*
- *Connect the product to an efficient smoke expulsion system.*
- *Verify that the room in which the appliance will be installed is adequately ventilated.*

ANOMALY	LED	POSSIBLE CAUSES	SOLUTIONS
<b>The product indicates the failed start-up.</b>	<b>Led -2</b>	The feed screw is empty when an initial start-up is implemented or due to the pellets having finished.	Wait for the pellets to be loaded.
		The hopper is empty.	Fill the hopper.
		<b>Foreign bodies have blocked the feed screw.</b>	<b>Remove the foreign bodies from the feed screw.</b>
		<b>The gear motor is faulty.</b>	<b>Replace the faulty component.</b>
<b>The product indicates that the fire has gone off abnormally.</b>	<b>Led -1</b>	The pellets are not fed into the combustion chamber.	Wait for the pellets to be loaded.
		The fuel hopper is empty.	Fill the hopper.
		Low pellet supply.	Increase the pellet load.
		Unsuitable pellets.	Change the type of pellets with those recommended by the manufacturer.
		The door is open.	Make sure the door is closed.
		Brazier is dirty.	Clean the brazier from impurities.
		<b>Worn gaskets.</b>	<b>Replace the gaskets.</b>
		<b>Foreign bodies have blocked the feed screw.</b>	<b>Remove the foreign bodies from the feed screw.</b>
		<b>The gear motor is faulty.</b>	<b>Replace the faulty component</b>



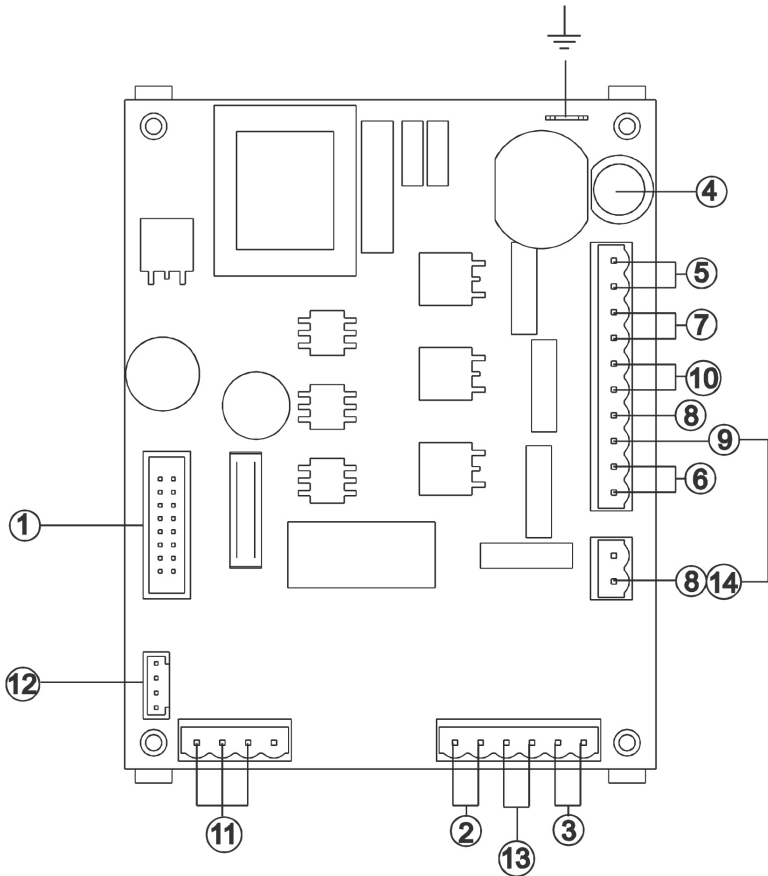
## 6-PROBLEMS/CAUSES/SOLUTIONS

ANOMALY	LED	POSSIBLE CAUSES	SOLUTIONS
<b>The product indicates that the pellet hopper temperature exceeds the safety threshold.</b>	<b>Led 0</b>	Pellet load is excessive.	Wait for the product to cool down, restart it and decrease the pellet load.
		Room fan power is too low.	Wait for the product to cool down, restart it and increase the fan power via knob A.
		The door is not closed properly or the gaskets are worn.	Close the door or replace the gaskets with original ones.
		The combustion chamber is dirty.	Clean the combustion chamber.
		Clogged outlet.	Clean the smoke duct.
		Faulty or malfunctioning pressure switch.	Replace the pressure switch.
		<b>The structure overheats due to reduced heat dissipation.</b>	<b>Verify the correct position of the product. Increase the smoke fan speed in accordance with the technical manual.</b>
		<b>Faulty room fan.</b>	<b>Replace the room fan.</b>
<b>The product indicates that the smoke fan is operating abnormally.</b>	<b>Led +1</b>	<b>Fan rotation is obstructed.</b>	<b>Verify what the obstruction is.</b>
		<b>Faulty smoke fan.</b>	<b>Replace the faulty component.</b>
<b>The product indicates the smoke temperature is too high or the smoke probe is faulty.</b>	<b>Led +2</b>	Pellet load is excessive.	Decrease the pellet load.
		Unsuitable pellets.	Empty the hopper from the unsuitable pellets and replace them with those recommended by the manufacturer.
		Room fan power is too low.	Increase the fan speed via knob A.
		<b>The structure overheats due to reduced heat dissipation.</b>	<b>Verify the correct position of the product.</b>
		<b>Faulty room fan.</b>	<b>Replace the faulty component.</b>
		<b>Faulty smoke probe.</b>	<b>Replace the faulty component.</b>
		<b>Clogged smoke outlet.</b>	<b>Clean the smoke exhaust.</b>

## 6-PROBLEMS/CAUSES/SOLUTIONS

ANOMALY	POSSIBLE CAUSES	SOLUTIONS
<b>Pellets accumulate in the brazier.</b>	Pellet load is excessive.	Decrease the pellet load.
	Insufficient combustion air.	Make sure the combustion air inlet in the rear part of the product is not clogged or obstructed.
	Damp or unsuitable pellets.	Empty the hopper from the unsuitable pellets and replace them with those recommended by the manufacturer.
	The door is open.	Make sure the door is closed.
	<b>Clogged smoke outlet.</b>	<b>Clean the smoke exhaust.</b> <b>Increase the smoke fan speed in accordance with the technical manual.</b>
	<b>Worn gaskets.</b>	<b>Replace the faulty component.</b>
<b>The flame is weak or goes off.</b>	The pellet hopper is emptying.	Fill the hopper.
	Low pellet load.	Increase the pellet load.
	Unsuitable pellets.	Empty the hopper from the unsuitable pellets and replace them with those recommended by the manufacturer.
<b>The room fan does not stop.</b>	Product cooling in progress.	Wait for the structure to cool down.
	<b>Faulty temperature probe.</b>	<b>Replace the faulty component.</b>
	The door is not closed properly or the gaskets are worn.	Close the door or replace the gaskets with original ones.
<b>The room fan does not work.</b>	The temperature has not reached the minimum start-up threshold.	Wait for the structure to warm up.
	<b>The thermal protection has been triggered due to the fan overheating.</b>	<b>Verify what could be obstructing fan rotation.</b>
	<b>Faulty fan.</b>	<b>Replace the faulty component.</b>
<b>The room fan is not adjusted by knob A.</b>	The product has reached the room temperature set by knob B and automatically modulates it to the minimum.	Increase the set temperature via knob B.
	<b>Faulty control panel.</b>	<b>Replace the faulty component.</b>
<b>The product power is not adjusted by knob C.</b>	The product has reached the room temperature set by knob B and automatically modulates it to the minimum.	Increase the set temperature via knob B.
	<b>Faulty control panel.</b>	<b>Replace the faulty component.</b>
<b>No light signal on the product power switch.</b>	The power cable is not connected to the socket.	Connect the cable to the socket.
	The switch is not set to I.	Switch the product on via switch I.
	No power supply.	Check the system.
	Blown fuse.	Replace the fuses.

## 7-WIRING DIAGRAMS



### MOTHERBOARD WIRING KEY

- |                             |   |
|-----------------------------|---|
| 1. CONTROL PANEL            | 9. CONTACT THERMOSTAT                                       |
| 2. ROOM PROBE               | 10. AIR FAN   |
| 3. RED + BLUE - SMOKE PROBE | 11. WHITE/RED/BLACK OR BLUE SMOKE EXPULSION FAN REV CONTROL |
| 4. FUSE                     | 12. CHRONOTHERMOSTAT  |
| 5. SWITCH                   | 13. ROOM THERMOSTAT   |
| 6. SPARK PLUG               | 14. PRESSURE SWITCH   |
| 7. SMOKE EXPULSION FAN      |   |
| 8. GEAR MOTOR               |   |

**N.B. The wiring of the individual components is fitted with pre-wired connectors of different sizes.**



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For further technical information  
regarding installation or operation please contact the  
TECHNICAL ASSISTANCE – AFTER-SALES DEPARTMENT  
Monday to Friday  
8.00 to 12.00 and 14.00 to 18.00